

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

1. (Currently amended) A [Method] method for transdermal administration of at least one active substance to a porous surface, comprising the following steps:
 - a) [Dispensing] dispensing a certain amount of a liquid comprising at least one active substance and at least one solvent into an administration reservoir,
 - [B]b) [Separation] separating at least a portion of the at least one solvent from the administration reservoir by a solvent recovery means ~~such that the at least~~ wherein one active substance achieves a certain level of concentration in vicinity to the [[a]] porous surface to be treated;
 - c) [Absorption] absorption of the active substance by the porous surface to be treated via diffusion ~~such that the level of concentration in the administration reservoir decreases.~~
2. (Currently amended) The method [Method] according to claim 1 wherein the solvent is separated by evaporation.
3. (Currently amended) The method [Method] according to claim 2 wherein the evaporation of the solvent is supported by a heating element.
4. (Currently amended) The method [Method] according to claim 3 wherein the solvent is evaporated through a membrane passable preferably for the solvent.
5. (Currently amended) The method [Method] according to claim 2 where the solvent is removed by a pre-programmed opening a pinch valve that is in contact with the porous surface.
6. (Currently amended) The method [Method] according to claim 5 where the solvent is removed by programming the pumping of the solvent.

7. (Currently amended) The method [Method] according to claim 2 where the solvent is removed by a programmed lowering of an arm or lever.
8. (Currently amended) The method [Method] according to claims 2 wherein the solvent is absorbed by a desiccant.
9. (Currently amended) The method [Method] according to claim 5 wherein the desiccant is one or a combination out of the group of silica gel, molecular sieves, active carbon.
10. (Currently amended) The method [Method] according to ~~claim one of the claims-2~~ wherein the solvent is discharged into the environment.
11. (Currently amended) The method [Method] ~~claim one of the claims-2~~ wherein the solvent is flushed by a fluid.
12. (Currently amended) The method [Method] according to claim 1 wherein the at least one active substance passes an interface device which is permeable for the at least one active substance.
13. (Currently amended) The method [Method] according to claim 12 wherein the interface device comprises a membrane.
14. (Currently amended) The method [Method] according to claim 12 wherein the interface device comprises an adhesive layer suitable to be attached to the porous surface.
15. (Currently amended) The method [Method] according to claim 1 wherein the steps a to c are repeated at predefined intervals such that the level of concentration of the at least one active substance in the administration reservoir is kept above a certain level.

16. (Currently amended) The method [Method] according to claim 15 wherein the dispensing rate and the time pattern of dispensing the liquid into the administration reservoir are controlled by a programmable device.
17. (Currently amended) A device [Device] for transdermal administration of at least one active substance to a porous surface, comprising a dispensing device interconnected to an administration device for delivery of at least one active substance [solved] dissolved in a solvent to said administration device, wherein the administration device comprises an administration reservoir ~~suitable to receive the active substance solved in the solvent~~, a solvent removal element ~~means for absorption of solvent from the administration reservoir by evaporation and~~ an interface [means] suitable for transferring [of] the active substance from the administration reservoir to the porous surface.
18. (Currently amended) The device [Device] according to claim 17 wherein the interface ~~device~~ is suitable to be arranged in vicinity to the porous surface.
19. (Currently amended) The device [Device] according to claim 18 wherein the interface ~~means~~ comprises an adhesive surface suitable to be attached to the porous surface.
20. (Currently amended) The device [Device] according to claim 17 wherein the interface ~~means~~ is a membrane permeable for the active substance.
21. (Currently amended) The device [Device] according to claim 17 wherein the solvent removal ~~means~~ element is separated from the administration reservoir by a separation means.
22. (Currently amended) The device [Device] according to claim 21 wherein the separation means is selected from the group consisting of a membrane, [[or]] a foam, [[or]] a cellular material, [[or]] a honeycomb, and [[or]] an air gap.

23. (Currently amended) The device [Device] according to claim 21 wherein the administration reservoir and the solvent removal means element are spaced apart a distance by the separation means 14.
24. (Currently amended) The device [Device] according to claim 17 wherein the solvent removal means element comprises one or a combination out of the group of the following materials: Desiccant, general or a selective adsorbent material, silica gel, a molecular sieve, active carbon.
25. (Currently amended) The device [Device] according to claim 17 wherein the solvent removal means element comprises a chamber with an inlet and an outlet for flushing by a fluid.
26. (Currently amended) The device [Device] according to claim 17 wherein the dispensing device comprises at least one reservoir for an active substance which is interconnected to the administration device.
27. (Currently amended) The device [Device] according to claim 17 wherein the dispensing device comprises a propellant means to propel the active substance from the reservoir into the administration reservoir.
28. (Currently amended) The device [Device] according to 27 wherein the propellant means is a pump and/or a propellant gas.
29. (Currently amended) The device [Device] according to claim 26 wherein the dispensing means device comprises a first reservoir comprising a first active substance and a second reservoir comprising a second active substance and the first and the second active substance are mixed by mixing means before delivery to the administration device.
30. (Currently amended) The device [Device] according to claim 28 wherein the mixing means is a pipe with vortex means providing an appropriate preparation of mixture.

31. (Currently amended) The device [Device] according to claim [30] ~~35~~ wherein the control device is interconnected to at least one valve for controlling the administration of the at least one active substance.
32. (Currently amended) The device [Device] according to claim 30 wherein the control device is programmable according to a predetermined regime or time pattern or interval of administration of the at least one active substance.
33. (Currently amended) The device [Device] according to claim 30 wherein the control device is interconnected with at least one sensor for measuring the administration and the condition of at least one active substance.
34. (Currently amended) The device [Device] according to claim 33 wherein the administration of the active substance is determined by the signal of the at least one sensor.
35. (New) The control device according to claim 17 wherein the administration of the active substance is controlled by a control device.
36. (New) An administration unit for application of at least one active substance to skin wherein the at least one active substance is dissolved in a solvent, comprising an administration unit configured to distribute the active substance to the skin or to a skin-compatible adhesive layer, wherein the administration unit comprises an administration reservoir and a solvent removal element comprising a separation layer that is impermeant to the active substance and permeable to the solvent.
37. (New) The administration unit of claim 36, wherein the separation layer further comprises a material that controls evaporation rate of the solvent at a surface of the separation layer.